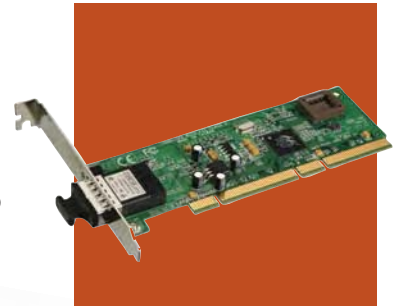


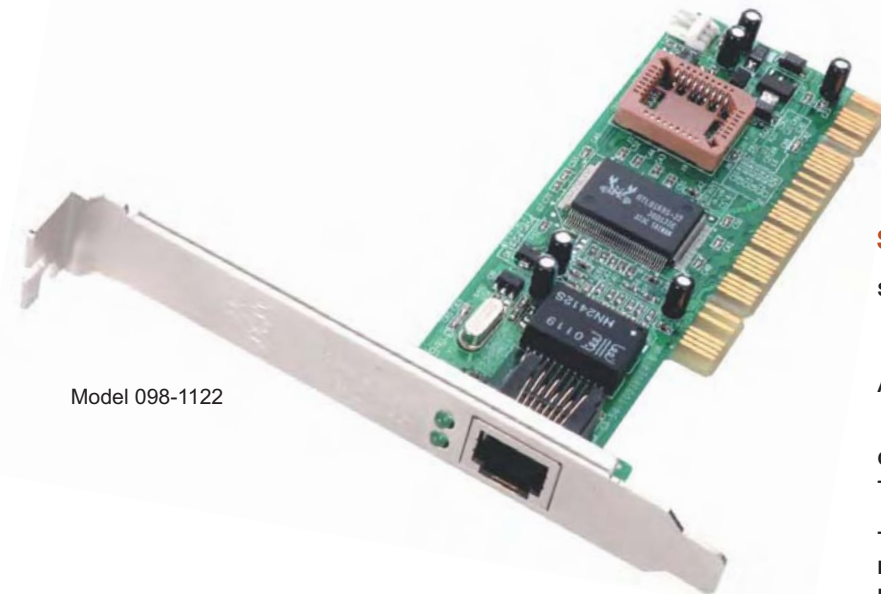
# Gigabit Ethernet PCI Adapter Card

Signamax Connectivity Systems' Gigabit network adapter cards are used wherever it is necessary to provide Gigabit Ethernet capability directly into a server or workstation. These cards utilize the new high-speed 64/32-bit PCI Bus Mastering architecture and support IEEE 802.1p Quality of Service (QoS) and 802.1Q VLAN Tagging standards for complete network optimization.

The model 098-1122 twisted-pair LAN card supports the IEEE 802.3ab 1000BaseT specification in a Category 5E or better cabling system, using a standard RJ-45 jack. This card also supports 10BaseT and 100BaseTX transmission, allowing its use in networks evolving to Gigabit Ethernet.



Model 098-2000SX



Model 098-1122

## Gigabit Ethernet PCI Adapter Card

PART NO.	DESCRIPTION
098-1122	10/100/1000BaseT/TX PCI Network Adapter Card
098-2000SX	1000BaseSX – SC Multi Mode

## FEATURES

- Support Auto-negotiation function
- Auto-setups IRQ and I/O address
- Supports Virtual LAN (VLAN) and long frame (1,536 Bytes)
- Supports 802.1D and 802.1Q priority queuing
- IPv.4 checksum task off-loading
- Supports MDIX at 10; 100; 1,000 Mb/s
- Supports Jumbo packets (9K)
- Supports 64/32 bit, 66/33 MHz PCI Bus Master for high performance
- Full duplex design to double the performance to 20/200/2,000 Mbps
- One STP connector for 1,000 Mbps, 100 Mbps or 10 Mbps network speed
- Net System: NDIS 4,5 driver for Microsoft Windows 95/98, Win2000, Me, Netware driver for Server V.4/5, UNIX, Linux
- Compliant with PC 97 and PC 98 Hardware Design Guides, PC 99 Hardware Design Guide draft. ACPI v1.0, PCI Power Management Specification v1, OnNow Device Class Power Management Reference Specification—Network Device Class v1.0a
- Wake on LAN (WOL) support compliant with PC98, PC99, and OnNow, including directed packets, Magic Packet TM, ARP packets, pattern mach packets, and Phy status change

## SPECIFICATIONS

### STANDARD COMPLIANCE

IEEE 802.3 10BASE-T  
IEEE 802.3u 100BASE-TX  
IEEE 802.3ab 1000BASE-T

### ARCHITECTURE

PCI 2.1/2.2 (6/33 MHz)  
32 bit & 64 bit

### CONNECTOR: RJ-45

### TRANSMISSION RATE

10/100/1,000 Mbps

### TOPOLOGY: Star

### PROTOCOL: CSMA/CD

### NETWORK TRANSMISSION

#### MEDIA

10BASE-T Cat. 3, 4, 5 UTP/STP  
100BASE-TX Cat. 3, 4, 5  
UTP/STP  
1000ASE-TX Cat. 5, 6 UTP/STP

#### LED

100 Mb LINK/ACT, 1 Gb  
LINK/ACT

### PHYSICAL CHARACTERISTICS

#### Power Consumption:

7 Watts (Max)

Weight: 0.095 kg

Operating Temperature:

0° – 55°C

Store Temperature: -20° – 70°C

Dimension: 122.2 x 42.9 mm

Humidity:

10-90% (Non-condensing)

### SAFETY & EMI CERTIFICATES

CE & FCC-B